**3GPP TSG-RAN WG3 Meeting #114bis-eR3-221320**

**Online, January 17th – 26th 2022**

**Title:**  [Draft] Support for Configuration and Reporting of RAN Visible QoE

**Response to:** -

**Release:** Rel-17

**Study Item:** NR\_QOE

**Source:** Ericsson [To be RAN3]

**To:** RAN2

**Cc:** -

**Contact Person:**

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**Attachments:** -

**1. Overall description:**

RAN3 agreed to support the RAN visible QoE.

The RRC impact is as follows:

* In RRC, a RAN visible QoE capability indication from the UE, for the following RAN visible QoE metrics for DASH streaming and VR services:
  + Playout Delay for Media Start-Up.
  + Buffer Level.
* RRC signalling for configuration of RAN visible QoE, where the configuration contains the following parameters:
  + RAN visible QoE metrics to be collected.
  + Measurement ID.
  + Service type.
* RRC signalling for reporting of RAN visible QoE.
* PDU Session ID list in the RVQoE report on Uu.

The RAN visible QoE metrics are supposed to be readable by the RAN, which means that they should be sent as explicit IEs inside the *measReportApplicationLayer*, but outside the QoE report container.

RAN2 has required RAN3 to provide more explanations about about why to put higher priority on RAN visible QoE measurements and more clarifications about RAN visible QoE measurements usage in the reply LS (R3-220111/R2-211160).

It’s agreed in RAN3 that RAN visible QoE reports which include the related QoE metrics could be utilized by the NG-RAN node for optimization. But there is no consensus in RAN3 with respect to whether the delivery of RAN visible QoE reports is with a higher priority than legacy QoE report, and the final decision for which SRB should be used can be made by RAN2.

Besides, RAN3 has agreed that PDU session ID can be transferred to UE AS from UE Application layer, via AT command, to carry the data for corresponding QoE session for RAN use. RAN3 would like to check with RAN2 the feasibility of including PDU session ID in RAN visible QoE report.

**2. Actions:**

RAN3 respectfully asks RAN2 to take the above RAN3 agreements into account provide the necessary RRC signalling support.

**3. Date of next TSG RAN WG3 meeting:**

RAN3#115-e February 21st  - March 3rd 2022 Online